

FIG. 1

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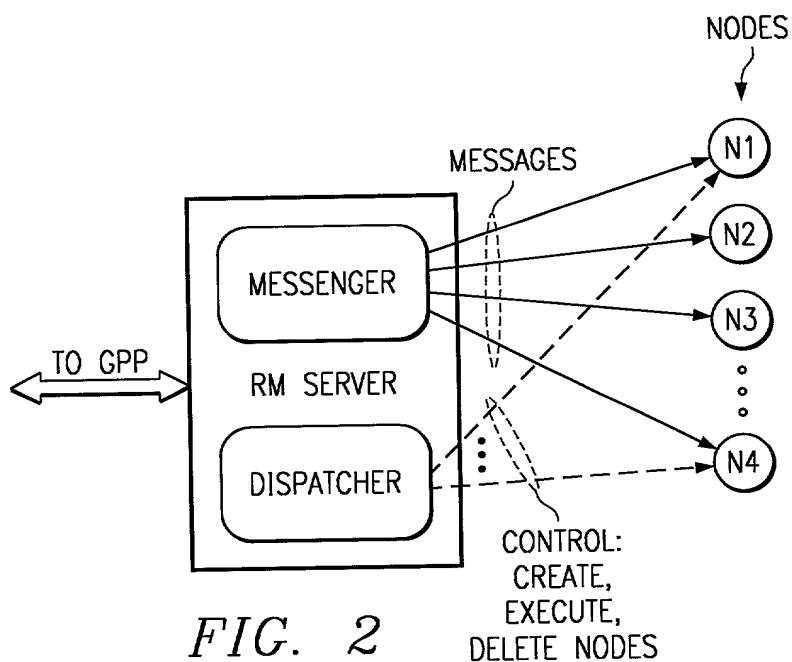


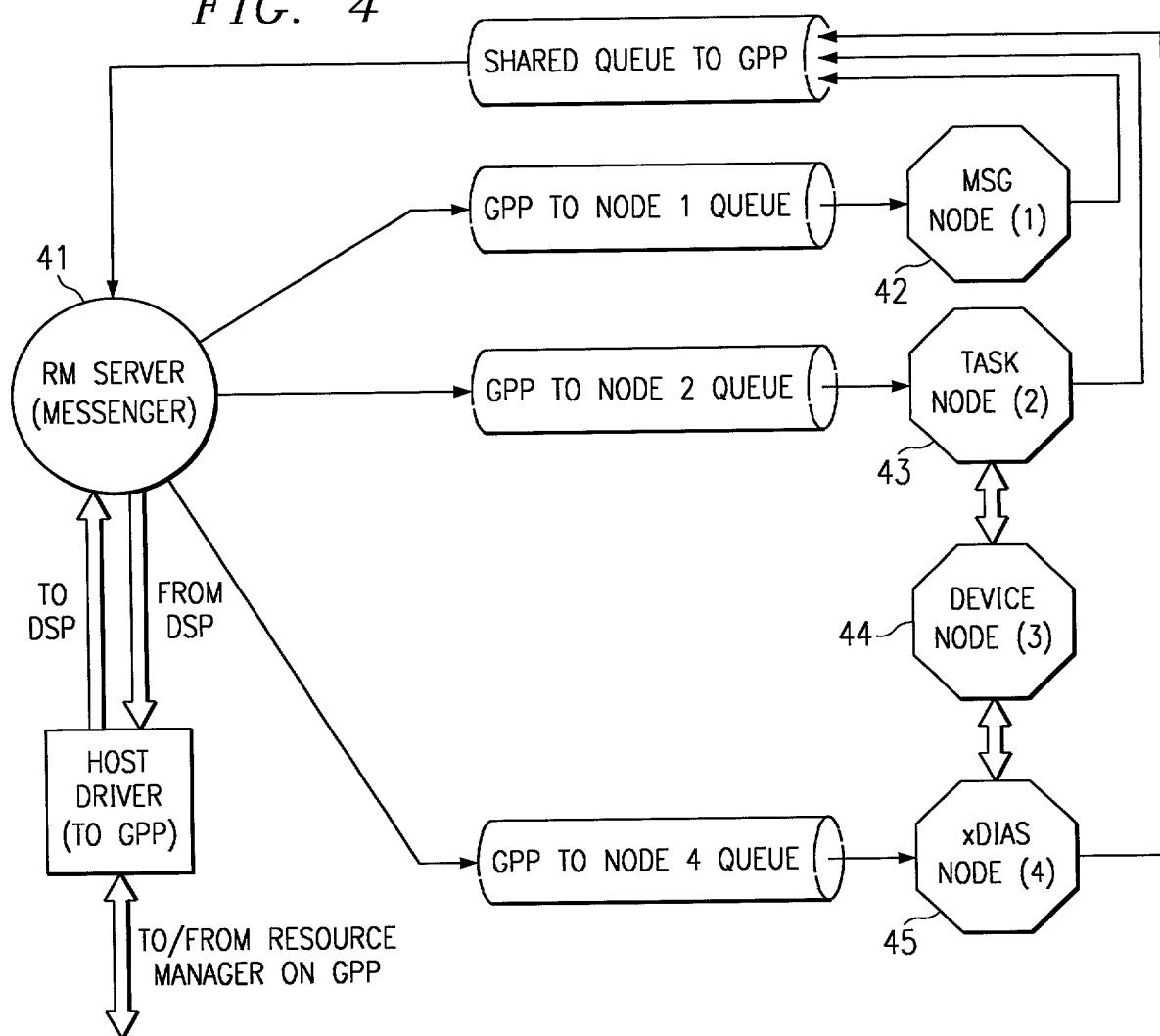
FIG. 2

SERVER FUNCTION	PURPOSE
RMS_queryServer	ALLOW GPP TO QUERY SERVER INFORMATION
RMS_configureServer	ALLOW GPP TO SET SERVER CONFIGURATION PARAMETERS
RMS_createNode	CREATE A MESSAGE, TASK, OR xDAIS SOCKET NODE
RMS_executeNode	LAUNCH A NODE INTO ITS EXECUTE PHASE
RMS_deleteNode	DELETE A NODE'S RESOURCES
RMS_changeNodePriority	CHANGE EXECUTION PRIORITY OF A NODE
RMS_readMemory	READ A WORD OF DSP MEMORY
RMS_writeMemory	WRITE A BLOCK OF DSP MEMORY

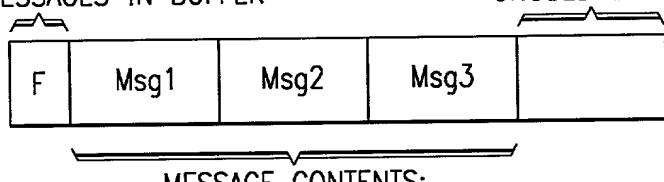
FIG. 3

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FIG. 4



CONTENT FLAG: NON-ZERO =
NUMBER OF MESSAGES IN BUFFER



NODE ENVIRONMENT

FIG. 5

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CONTENT FLAG:

0 = COMMAND

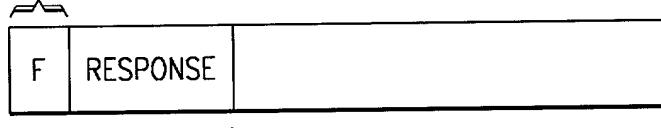
UNUSED SPACE



MESSENDER COMMAND
(FOR FUTURE USE)

FIG. 6

CONTENT FLAG:
0 = NON-MESSAGE BUFFER



RESPONSE FLAG: ERROR CODE,
OR COMMAND RESPONSE

FIG. 7

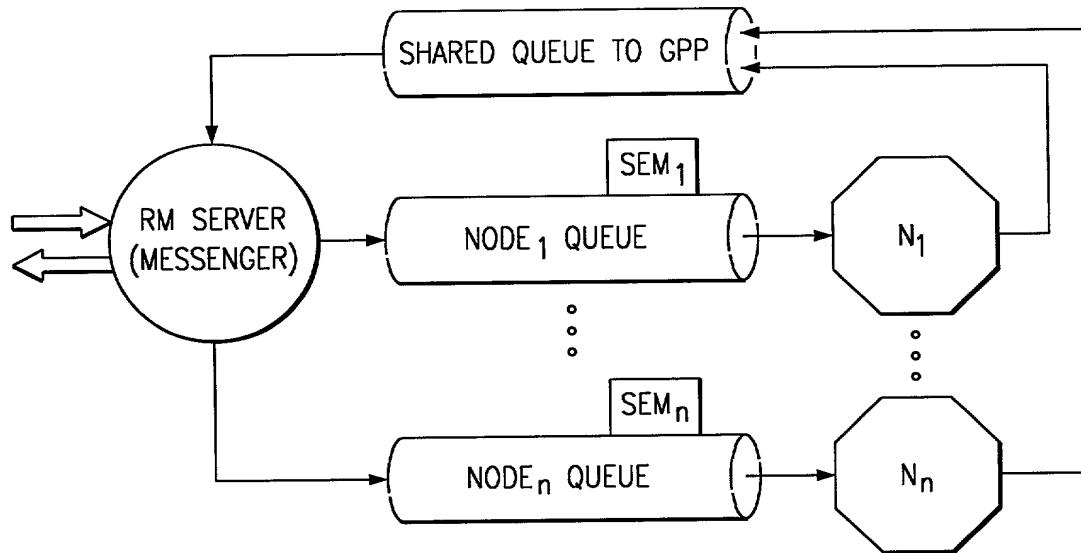


FIG. 8

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FIG. 9

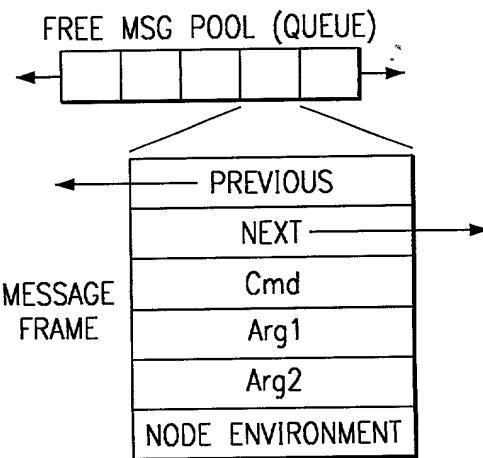
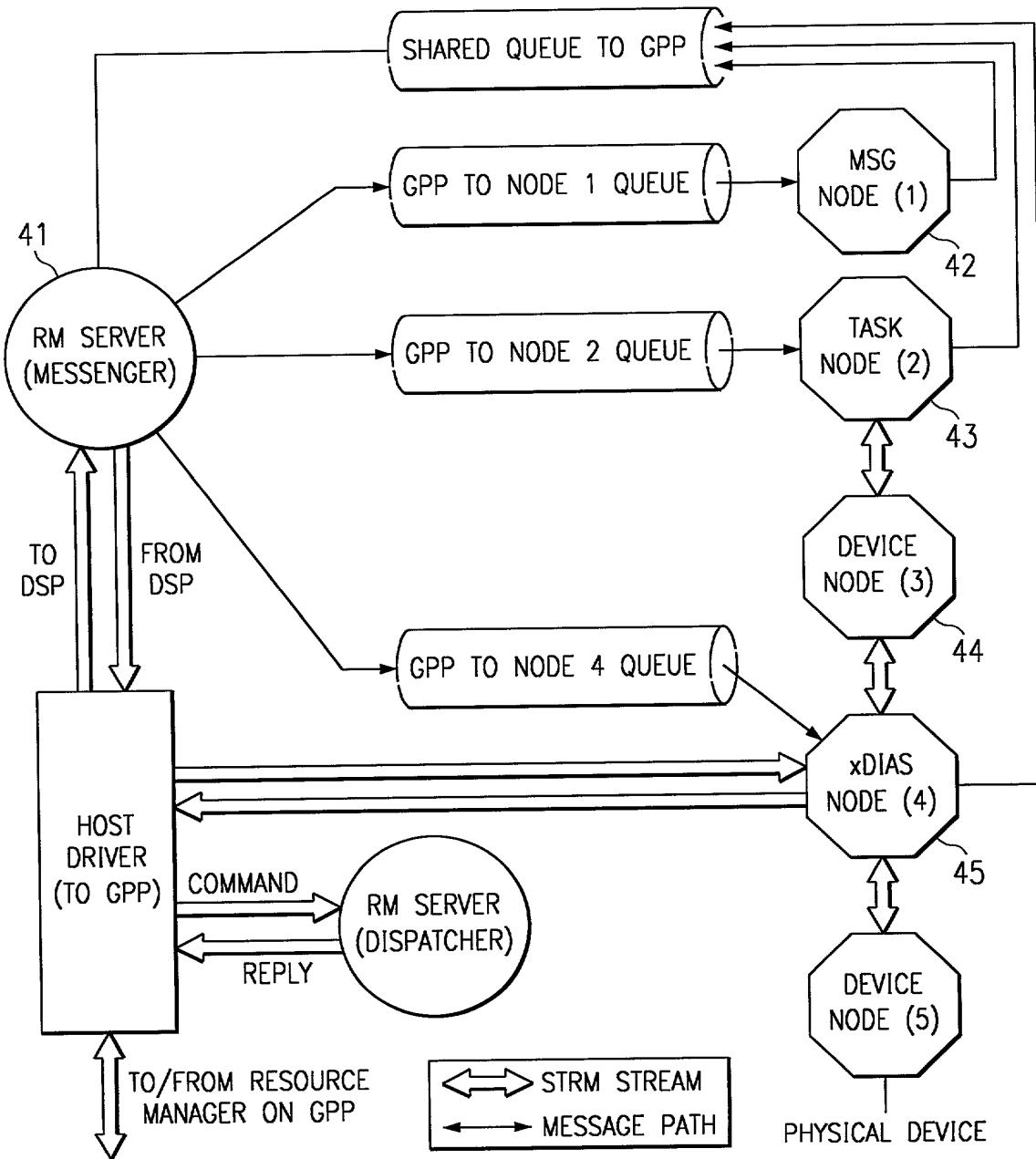


FIG. 10



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COMMAND FIELD (32-BITS)	CONTENTS
fxn	ADDRESS OF SERVER FUNCTION TO EXECUTE
arg1	SERVER FUNCTION ARGUMENT 1
arg2	SERVER FUNCTION ARGUMENT 2
data[]	FUNCTION-SPECIFIC DATA ARRAY

FIG. 11

REPLY FIELD (32-BITS)	CONTENTS
RESULT	NODE OR SERVER FUNCTION RETURN CODE
arg1	COMMAND-SPECIFIC RETURN ARGUMENT 1
arg2	COMMAND-SPECIFIC RETURN ARGUMENT 2

FIG. 12

SERVER FUNCTION	RESULT	arg1	arg2
RMS_queryServer	QUERIED VALUE	-	-
RMS_configureServer	SUCCESS/FAIL RETURN CODE	-	-
RMS_createNode	nodeCreate RETURN CODE	NODE ENVIRONMENT PTR	-
RMS_executeNode	nodeExecute RETURN CODE, OR COMMAND ACK	-	-
RMS_deleteNode	nodeDelete RETURN CODE	-	-
RMS_changeNodePriority	SUCCESS/FAIL RETURN CODE	-	-
RMS_readMemory	MEMORY CONTENTS	-	-
RMS_writeMemory	SUCCESS/FAIL RETURN CODE	-	-

FIG. 13

FIG. 14

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RETURN CODE	ENUMERATED VALUE	MEANING
RMS_EOK	0	OK, NO ERROR
RMS_EOUTOFMEMORY	1	MEMORY ALLOCATION FAILURE
RMS_EMEMFREE	2	MEMORY DE-ALLOCATION FAILURE
RMS_EOUTOFIO	3	I/O ALLOCATION FAILURE
RMS_EIOPFREE	4	I/O DE-ALLOCATION FAILURE
RMS_ERESOURCE	5	A RESOURCE WAS UNAVAILABLE
RMS_ENOTFOUND	6	SYMBOL OR MODULE NOT FOUND

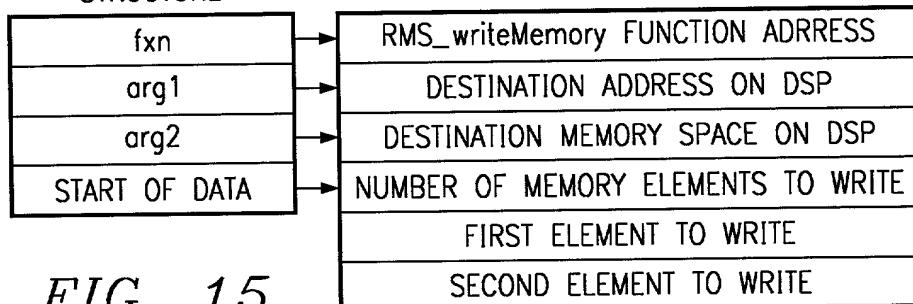
RPC PACKET
STRUCTUREUSAGE WHEN DOING
RMS_writeMemory

FIG. 15

FIG. 16

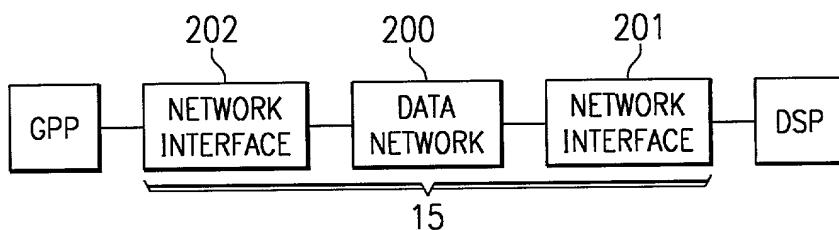


FIG. 17

